

Project Name	WO# for project	Project description
ASH PUG MILL REPLACEMENT	3029-00-176	Replace original pug mill for fly ash loading.
MACT COMPLIANCE PROJECT	3029-00-145	Install hydrated lime injection system for HCl control
PRIMARY SUPERHEATER REPLACEMENT	3029-00-191	Install 42 new primary super heater platen assemblies in each boiler to eliminate tube leaks. PSH design is a like-kind replacement to original. Old PSH was worn.
AIR HEATER TUBE REPLACEMENT	3029-00-205	Remove and replace approximately 350 primary air heater tubes in Boiler #1 and 350 primary air heater tubes in Boiler #2. No changes were made to tubes, only replaced worn sections.
#1 WOOD HOG REPLACEMENT	3029-00-239	Replace wood hog rotating parts (wear parts), no changes to shell.
#1&2 DISC SCREEN REPLACEMENT	3029-00-240	Replace disc screen rollers on #1 & #2 disc screens (wear parts), no change to shell.

#1 & 2 METERING BIN SCREWS	3029-00-241	Replace 12 metering bin screws in both units (wear parts, 24 in total). No changes to pitch or diameter, upgraded wear resistant coating.
ECONOMIZER	3029-00-242	Emergency repair for damaged economizer section found during outage. Replaced with same or like parts.
#1 PAF MOTOR REPLACEMENT	3029-00-243	Replace #1 Primary Air Fan motor that failed during operation June 2020. Capitalized due to cost threshold.
FLUIDIZING BED SUPERVISORY	3029-00-244	Replace existing Modicon cards for #1 FBSS with a modern Modicon system. Old system obsolete, challenging/impossible to find parts.
<i>Future - no firm plans due to pending negotiation of PPA</i>	---	---

>\$50k

Authorized or projected expenditure		Actual expenditure	Date of approval	Project completion date or expected completion date
\$	91,542	\$ 91,542	Dec-16	Dec-16
\$	1,197,421	\$ 1,433,974	Aug-15	Mar-17
\$	1,250,000	\$ 1,247,279	Feb-18	Mar-18
\$	183,750	\$ 172,517	Apr-19	May-19
\$	65,000	\$ 63,575	Sep-20	May-20
\$	157,720	\$ 164,863	Sep-20	May-20

\$	616,000	\$	615,731	Sep-20	May-20
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\$	770,000	\$	587,809	Dec-20	Dec-20
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\$	77,558	\$	80,184	Sep-20	Sep-20
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\$	94,338	\$	94,338	Dec-20	Dec-20
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In-service date	Identification of each original equipment manufacturer (“OEM”), equipment suppliers, or contractors that will provide or have provided engineering, fabrication, and/or installation services for the project	Type: life extension, capacity increase, efficiency enhancement, or reliability improvement.	Capital appropriation requests and/or approvals
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Dec-16	Ball Sales (parts) Steam Generation (labor)	Reliability improvement	6.1.1 00-176 DVP Ash Pug
Mar-17	Nol-Tec (parts & installation)	Compliance project	6.2.1 00-145 DVP MACT Cc
Mar-18	Helfrich Brothers (parts) Steam Generation (labor)	Reliability improvement	6.3.1 00-191 DVP Primary !
May-19	CMS (labor)	Reliability improvement	6.4.1 00-205 DVP Air Heate
May-20	Williams (Parts) Trinity (labor)	Reliability improvement	6.5.1 00-239 DVP Wood Hc
May-20	Baja Steel (parts) Trinity (installation)	Reliability improvement	6.6.1 00-240 #1 & 2 disc sc

	Ethos (install)		
May-20	Reed Electric (parts) East Coast Motors (parts)	Reliability improvement	6.7.1 00-241 #1 & 2 Meter
Dec-20	Brahma (parts & labor)	Reliability improvement	6.8.2 2020-11-18 Desert Vi
Sep-20	Process Barron (parts & labor)	Reliability improvement	6.9.1 00-243 PAF motor re
Dec-20	Schneider Electric (parts & labor)	Reliability improvement	6.10.1 00-244 DVP Fluidizi

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Emission calculations performed before and after the capital project was completed	Correspondence with the District or any regulatory agency regarding the potential applicability or exemption of any provision of the Clean Air Act or the applicable State Implementation Plan (“SIP”), including, but not limited to, NSR/PSD, New Source Pollution Standards (“NSPS”), National Emission Standards for Hazardous Air Pollutants (“NESHAP”), and opacity requirements
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None

None

See pages 8-9, 20 of 6.2.3 2015 Application to EPA

See 6.2.3 2015 Application to EPA;  
6.2.4 2015 EPA Administrative Amendment Letter to Desert View Power 5-22-2015

None

None

None

None

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None

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None

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**Engineering analyses, correspondence, memoranda, telephone discussion summaries, and any other communications, including, but not limited to, Board of Directors reports, meeting minutes, and annual reports, that describe the original as-built performance and performance for the period immediately before and immediately following completion of each capital project, the benefits, provide justification for, or otherwise explain the nature, extent, cost, and frequency of each capital project.**

**Associated purchase orders and/or contracts**

Project was a maintenance item with no material changes from prior design; this was capitalized as a matter of accounting. See description sections of 6.1.1 00-176 DVP Ash Pug Mill Replacement approval

6.1.2 Ash pug mill POs

Project was completed as an emergency repair based on findings during November 2020 outage. The economizer support straps had broken and repairs to the tube bundle had to be performed. No changes were made; the project was capitalized as a matter of accounting.

6.2.2 EPC Contract\_Nol-Tec (Execution)\_executed

Project was a maintenance item with no material changes from prior design; this was capitalized as a matter of accounting. See description sections of 6.3.1 00-191 DVP Primary Superheater Replacement approval

6.3.2 PSH POs

Project was a maintenance item with no material changes from prior design; this was capitalized as a matter of accounting. See description sections of 6.4.1 00-205 DVP Air Heater Tube Replacement Project approval

6.4.2 AH POs

Project was a maintenance item with no material changes from prior design; this was capitalized as a matter of accounting. See description sections of 6.5.1 00-239 DVP Wood Hog Replacement Project approval

6.5.2 Wood Hog POs

Project was a maintenance item with no material changes from prior design; this was capitalized as a matter of accounting. See description sections of 6.6.1 00-240 #1 & 2 disc screen replacement approval

6.6.2 Disc screen POs

Project was a maintenance item with no material changes from prior design; this was capitalized as a matter of accounting. See description sections of 6.7.1 00-241 #1 & 2 Metering bin screws approval 6.7.2 Metering bins POs

Project was completed as an emergency repair based on findings during November 2020 outage. The economizer support straps had broken and repairs to the tube bundle had to be performed. No changes were made; the project was capitalized as a matter of accounting. See 6.8.2 2020-11-18 Desert View Power - economizer discovery update 6.8.3 Economizer costs, POs

Project was an emergency repair after a motor on the PA fan failed in 2020. Project was capitalized as a matter of accounting. See description sections of 6.9.1 00-243 PAF motor replacement approval 6.9.2 PAF motor POs

Project was an upgrade to antiquated computer monitoring equipment for the combustion process. See description sections of 6.10.1 00-244 DVP Fluidizing Bed Supervisory approval 6.10.2 FBS POs

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Permits received for the project

**Documents related to the maximum continuous rating of the boiler, both before and after the project was completed, including, but not limited to, documentation of changes in: Unit capacity factor; Unit availability; Boiler heat input; Steam flow rate; Steam temperature; Steam pressure; Unit heat rate (BTU/MWh); and Unit efficiency.**

N/A

N/A

See 6.2.3 2015 Application to EPA  
and 6.2.4 2015 EPA

Administrative Amendment N/A  
Letter to Desert View Power 5-22-  
2015

N/A

None - like-kind replacement

N/A

None - like-kind replacement

N/A

N/A

N/A

N/A

N/A

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N/A

None - like-kind replacement

N/A

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N/A

N/A

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